

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-12. Canceled.

13. (New) A radio transmission method for transmitting data symbols using at least one antenna, the method comprising:

transmitting a first preamble including a signal point amplitude greater than a maximum signal point amplitude among signal point amplitudes of the data symbols, using at least one antenna; and

transmitting a second preamble including a signal point amplitude smaller than the signal point amplitude included in the first preamble, using a greater number of antennas than the at least one antenna transmitting the first preamble.

14. (New) A radio transmission method for transmitting data symbols, a first preamble and a second preamble using a first antenna and a second antenna, the method comprising:

transmitting the first preamble including a signal point amplitude greater than a maximum signal point amplitude among signal point amplitudes of the data symbols, using at least one of the first antenna and the second antenna; and

transmitting the second preamble including a signal point amplitude smaller than the signal point amplitude included in the first preamble, using the first antenna and the second antenna.

15. (New) The radio transmission method of claim 13, further comprising:

transmitting the data symbols after transmitting the first preamble and the second preamble, using a least one antenna.

16. (New) The radio transmission method of claim 14, transmitting the data symbols after transmitting the first preamble and the second preamble, using at least one of the first antenna and the second antenna.

17. (New) The radio transmission method of claim 13, wherein the second preamble comprises an AGC control symbol.

18. (New) The radio transmission method of claim 14, wherein the second preamble comprises an AGC control symbol.